

## Color by Number Systems of Equations

Name \_\_\_\_\_

Solve each system of equations and show all work clearly in the space provided. Then color the corresponding area on the coloring page.

|   |  |
|---|--|
| <b>1.</b> $y = 3x$<br>$y = x + 4$                 | <b>2.</b> $3x - y = 10$<br>$y = x + 4$   |
| Red   | Green                                    |
| <b>3.</b> $2x + 3y = 8$<br>$\frac{3}{2}y + x = 4$ | <b>4.</b> $2x + 4y = -6$<br>$x - 3y = 7$ |
| Blue  | Yellow                                   |
| <b>5.</b> $20 = 2x - y$<br>$x + y = 34$           | <b>6.</b> $x + 2y = 7$<br>$3x - 2y = -3$ |
| Purple  | Red                                      |

**Objective:** Students will solve systems of equations.

|  |  |
|--|--|
| <b>7.</b> $x = -2y$<br>$2x + 5y = -1$<br><br><br><br><br><br><br><br>Green         | <b>8.</b> $3x - 8y = 32$<br>$-x + 8y = -16$<br><br><br><br><br><br><br><br>Orange      |
| <b>9.</b> $-x + 3y = 5$<br>$-3y = 1 + x$<br><br><br><br><br><br><br><br>Pink       | <b>10.</b> $y = \frac{2}{3}x + 4$<br>$2x - 3y = 3$<br><br><br><br><br><br><br><br>Blue |
| <b>11.</b> $0 = 4y$<br>$3x + \frac{5}{6}y = 9$<br><br><br><br><br><br><br><br>Pink | <b>12.</b> $y = 4x$<br>$-y = 3x$<br><br><br><br><br><br><br><br>Orange                 |

Activities by Jill 2013

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